AUTODOC CLUB

How to change front suspension strut on **Ford Fiesta V JH JD** – replacement guide

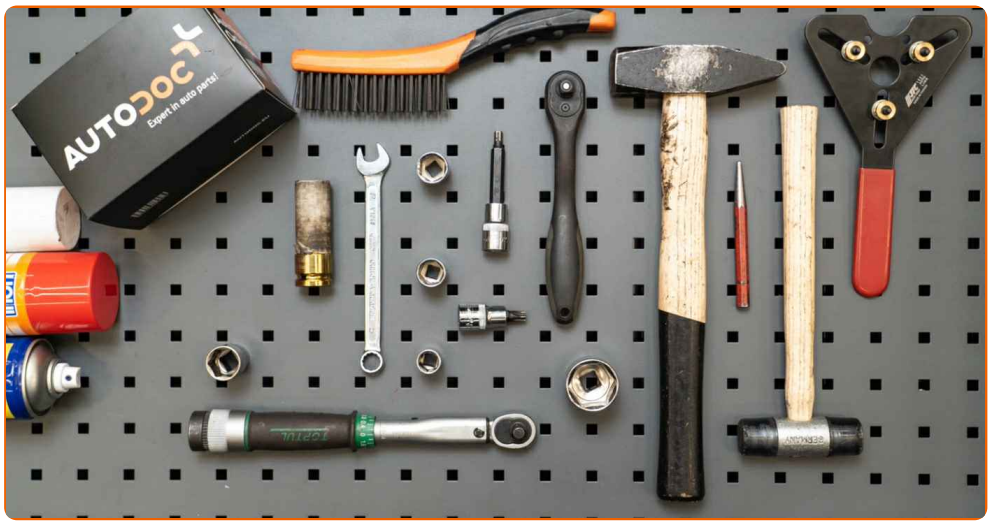
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
FORD Fiesta Mk5 Hatchback (JH1, JD1, JH3, JD3) 1.4 TDCi, FORD Fiesta Mk5 Hatchback (JH1, JD1, JH3, JD3) 1.3, FORD Fiesta Mk5 Hatchback (JH1, JD1, JH3, JD3) 1.6 16V, FORD Fiesta Mk5 Hatchback (JH1, JD1, JH3, JD3) 1.25 16V, FORD Fiesta Mk5 Hatchback (JH1, JD1, JH3, JD3) 1.6 TDCi, FORD Fiesta Mk5 Hatchback (JH1, JD1, JH3, JD3) ST150, FORD Fiesta Mk5 Van 1.3, FORD Fiesta Mk5 Van 1.4 TDCi, FORD Fiesta Mk5 Van 1.6 TDCi

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – FORD FIESTA V JH JD. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Drive socket # 13
- Drive socket # 15
- Drive socket # 17
- Drive socket # 19
- Drive socket # 32
- HEX bit No.H6.
- Torx bit T50
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Shock absorber socket
- Hammer
- Tap wrench
- Pin punch
- Rubber mallet
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: suspension strut – Ford Fiesta V JH JD. AUTODOC experts recommend:

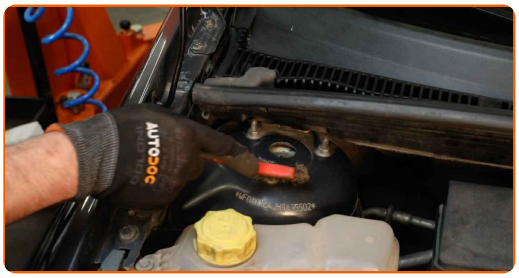
- Both shock struts of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the front suspension.
- Warning! Shut down the engine before starting any work – Ford Fiesta V JH JD.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

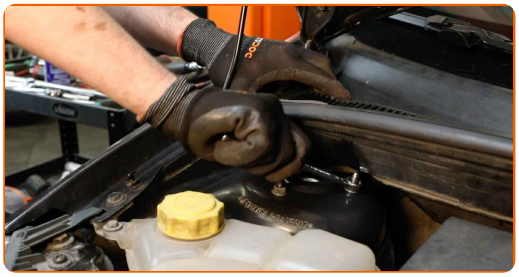
1 Open the bonnet.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-30 spray.

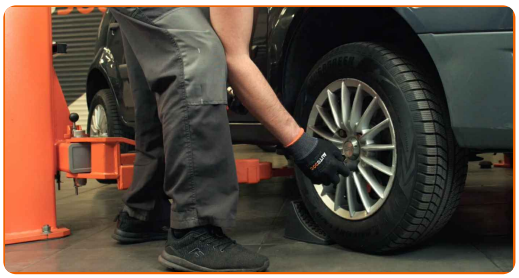


4 Loosen the upper fastener of the shock strut mount. Use a combination spanner #13.



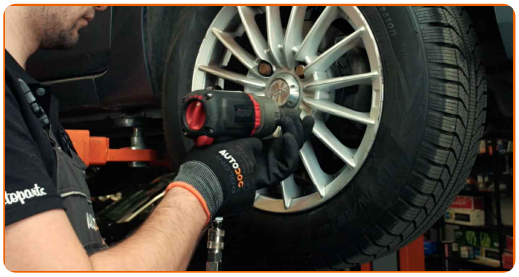
5 Secure the wheels with chocks.

6 Loosen the wheel mounting bolts. Use wheel impact socket #19.



7 Raise the front of the car and secure on supports.

8 Unscrew the wheel bolts.

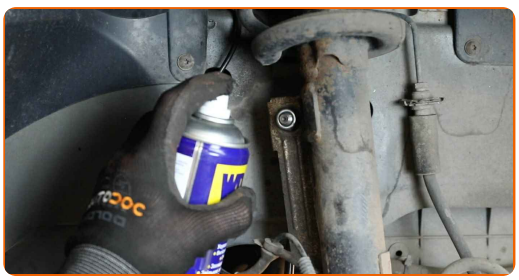


Replacement: suspension strut – Ford Fiesta V JH JD. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

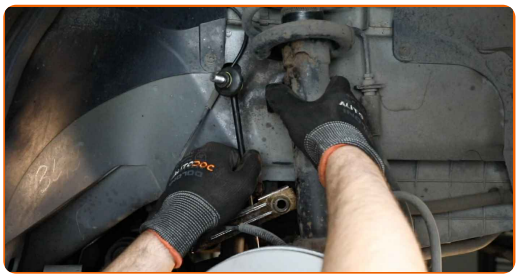
9 Remove the wheel.

10 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

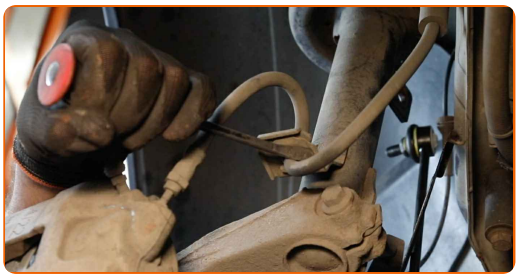


11 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a ratchet wrench.

12 Remove the stabilizer rod.

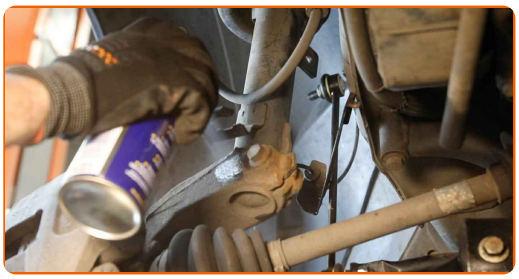


13 Remove the brake hose retaining clip. Use a crowbar.

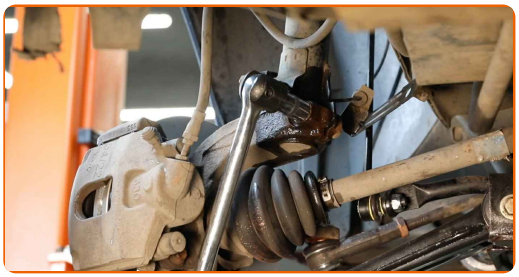


14 Detach the brake hose from the shock strut.

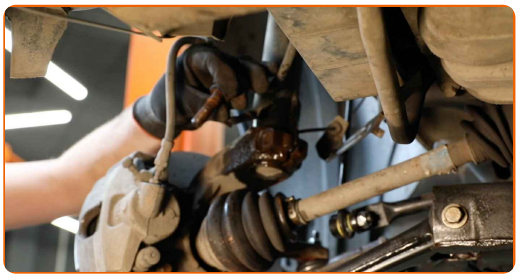
15 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



16 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a tap wrench.

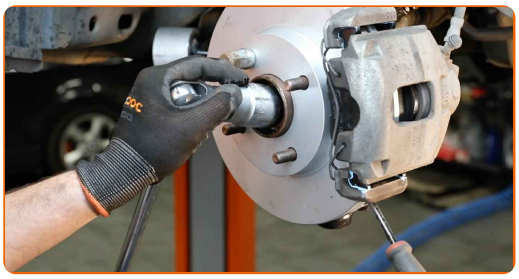


17 Remove the fastening bolt.

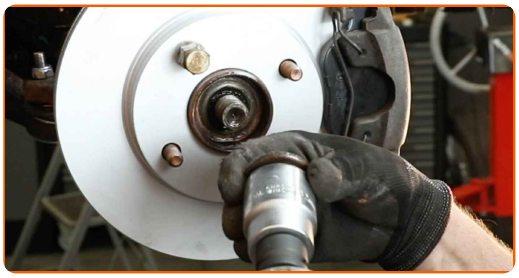


18 Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.

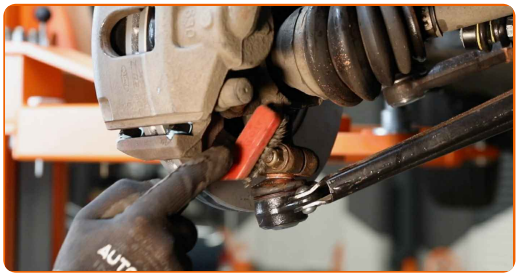
19 Loosen the fastener of the driveshaft. Use a drive socket #32. Use a tap wrench.



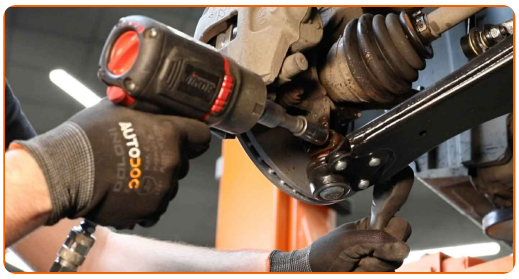
20 Remove the fastening nut. Use a drive socket #32.



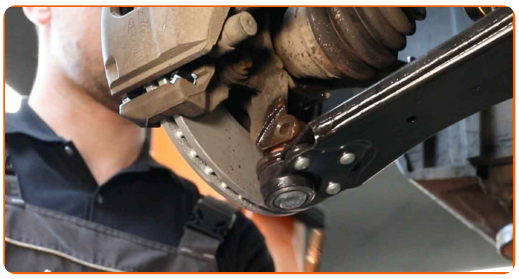
21 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



22 Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #15. Use Torx T50. Use a ratchet wrench.

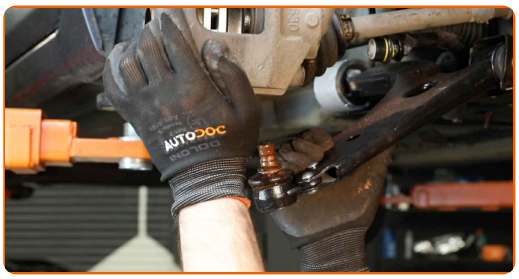


23 Remove the fastening bolt.



24 Remove the drive shaft. Use a pin punch. Use a hammer.

25 Disconnect the lower arm from the steering knuckle.

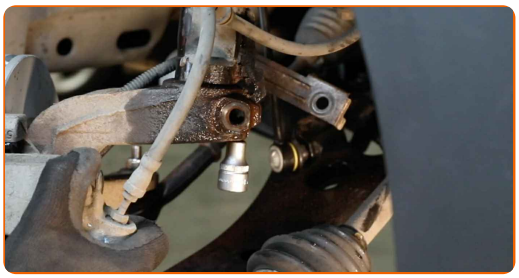


Replacement: suspension strut – Ford Fiesta V JH JD. AUTODOC recommends:

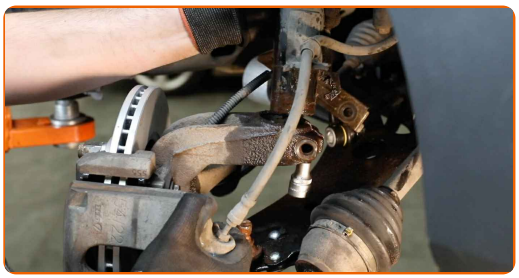
- Make sure that the drive shaft is not unloaded (when the car is jacked).

26 Prop up the steering knuckle. Use a hydraulic transmission jack.

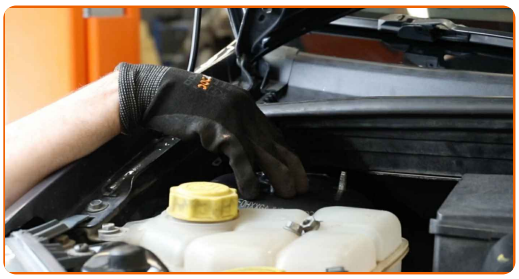
27 Release the lower fastener connecting the shock strut to the steering knuckle. Use a special drive socket to remove the shock absorber.



28 Disconnect the steering knuckle from the shock absorber strut. Use a hammer.



29 Unscrew the top fastening of the shock strut mount.

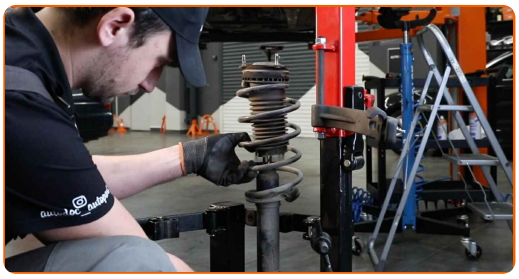


AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts. Ford Fiesta V JH JD

30 Remove the suspension strut.

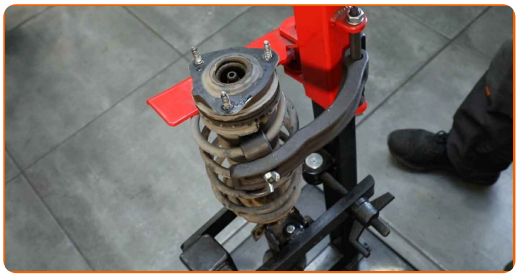
31 Set the shock absorber strut on the spring compressor tool.



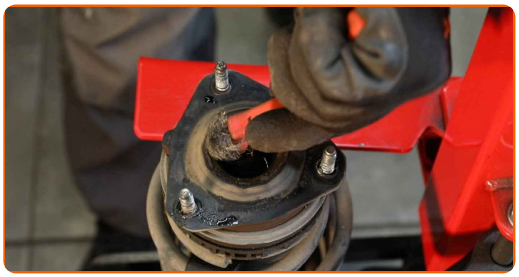
Replacement: suspension strut – Ford Fiesta V JH JD. Professionals recommend:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

32 Compress the spring.



33 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



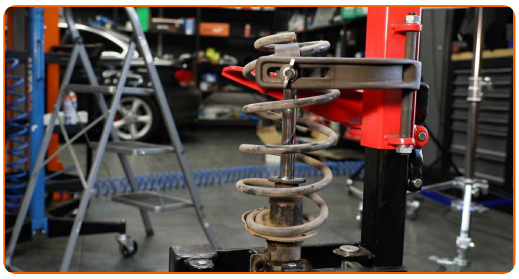
34 Remove the strut piston rod nut. Use HEX No.H6. Use a drive socket #17. Use a ratchet wrench.

35 Remove the shock absorber mount, boot and bump stop.

Replacement: suspension strut – Ford Fiesta V JH JD. Tip from AUTODOC experts:

- Thoroughly examine the shock absorber mount, dust boot, bump stop. Replace them if necessary.

36 Release the coil spring.



37 Remove the spring.

38 Remove the old shock absorber from the hydraulic coil spring compressor.

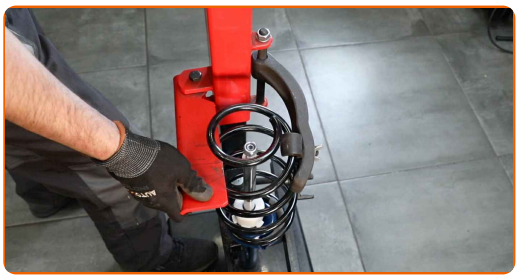
Replacement: suspension strut – Ford Fiesta V JH JD. AUTODOC experts recommend:

- Before installing a new shock absorber you should pump it manually 3-5 times.

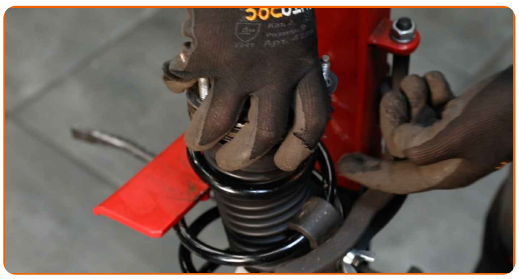
39 Install the new shock absorber on the hydraulic coil spring compressor.

40 Install the spring on the shock absorber.

41 Compress the spring.



42 Install the mount, boot and bump stop onto a new shock absorber.



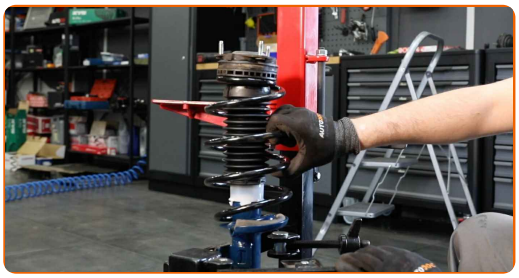
43 Tighten the shock strut piston rod nut. Use a drive socket #19. Use HEX No.H6. Use a torque wrench. Tighten it to 48 Nm torque.

Replacement: suspension strut – Ford Fiesta V JH JD. Tip:

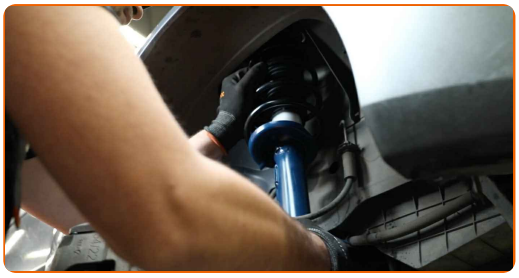
- Check to make sure the spring is positioned correctly. Avoid its misalignment.

44 Decompress the spring.

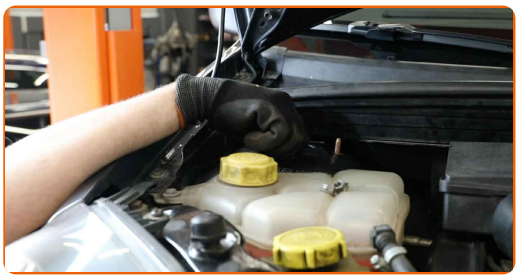
45 Remove the assembled shock strut.



46 Install the shock strut into the wheel arch.



47 Screw the top fastening of the shock strut mount. Do not tighten it.



AUTODOC recommends:

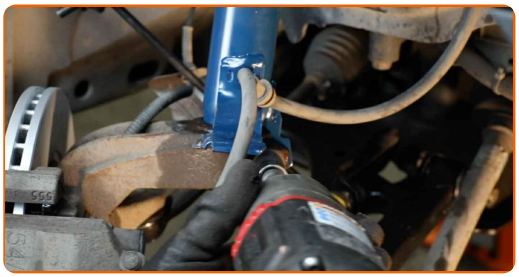
- Ford Fiesta V JH JD – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

48 Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.

49 Fix the shock absorber strut on the steering knuckle.

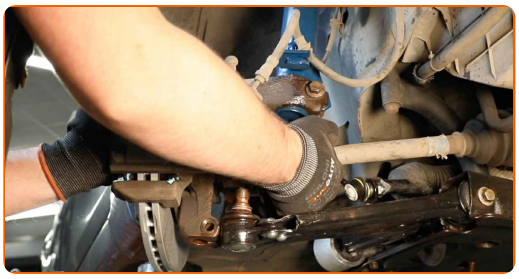
50 Install the fastening bolt.

51 Screw in the fastener that connects the shock strut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.

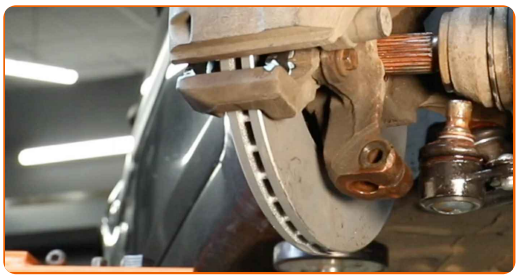


52 Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.

53 Mount the drive shaft into the wheel hub.



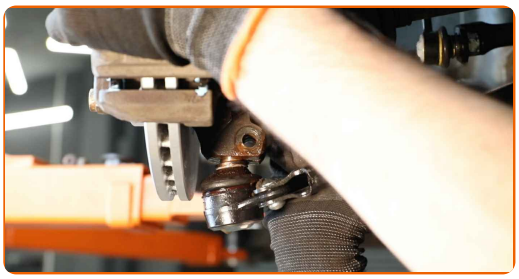
54 Remove the support from under the steering knuckle.



AUTODOC recommends:

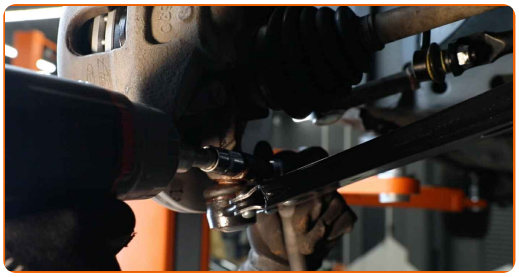
- Replacement: suspension strut – Ford Fiesta V JH JD. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

55 Connect the lower arm to the steering knuckle.

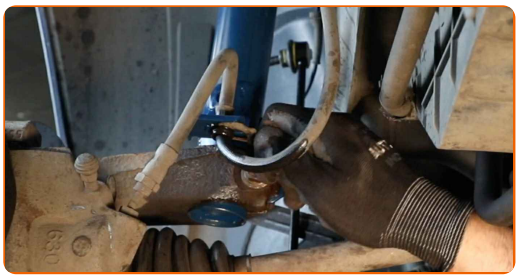


56 Install the fastening bolt.

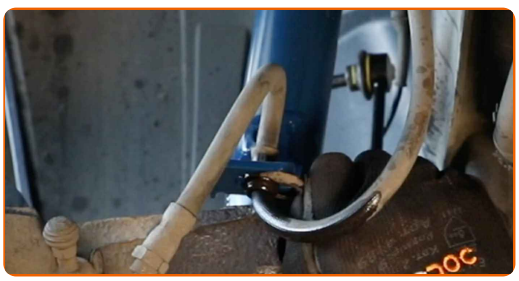
57 Screw the fasteners of the ball joint. Use a drive socket #15. Use Torx T50. Use a ratchet wrench.



58 Fasten the brake hose on the strut.



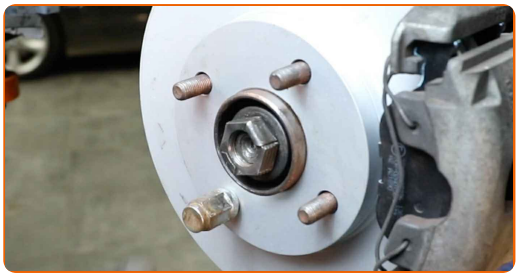
59 Install the brake hose retaining clip. Use a rubber mallet.



60 Install the transverse stabilizer link.

61 Tighten the stabiliser link fastener. Use a drive socket #17. Use a ratchet wrench.

62 Install the fastening nut.

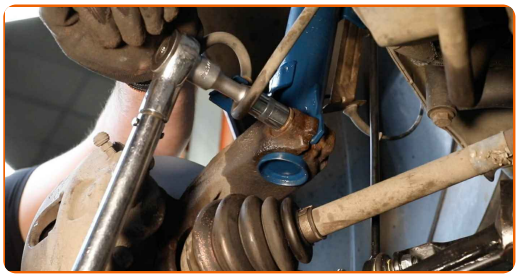


63 Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 290 Nm torque.

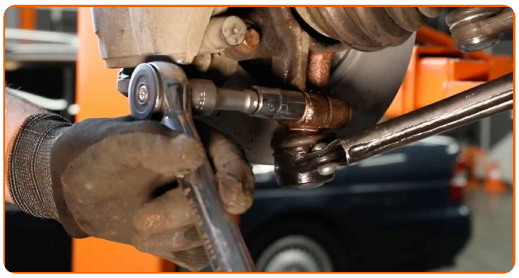
AUTODOC recommends:

- Important! Be sure to use new fasteners.

64 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 90 Nm torque.



65 Tighten the ball joint fastener. Use a drive socket #15. Use a torque wrench. Tighten it to 48 Nm torque.



66 Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a torque wrench. Tighten it to 48 Nm torque.

67 Treat the shock strut fasteners. Use copper grease.

68 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

69 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: suspension strut – Ford Fiesta V JH JD. After applying the spray, wait a few minutes.

70 Install the wheel.

Replacement: suspension strut – Ford Fiesta V JH JD. AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

71 Screw in the wheel bolts. Use wheel impact socket #19.

72 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 95 Nm torque.

73 Remove the jacks and chocks.

74 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 30 nm torque.

75 Treat the fasteners of the shock strut mount. Use copper grease.

76 Remove the fender protection cover.

77 Close the hood.

WELL DONE!

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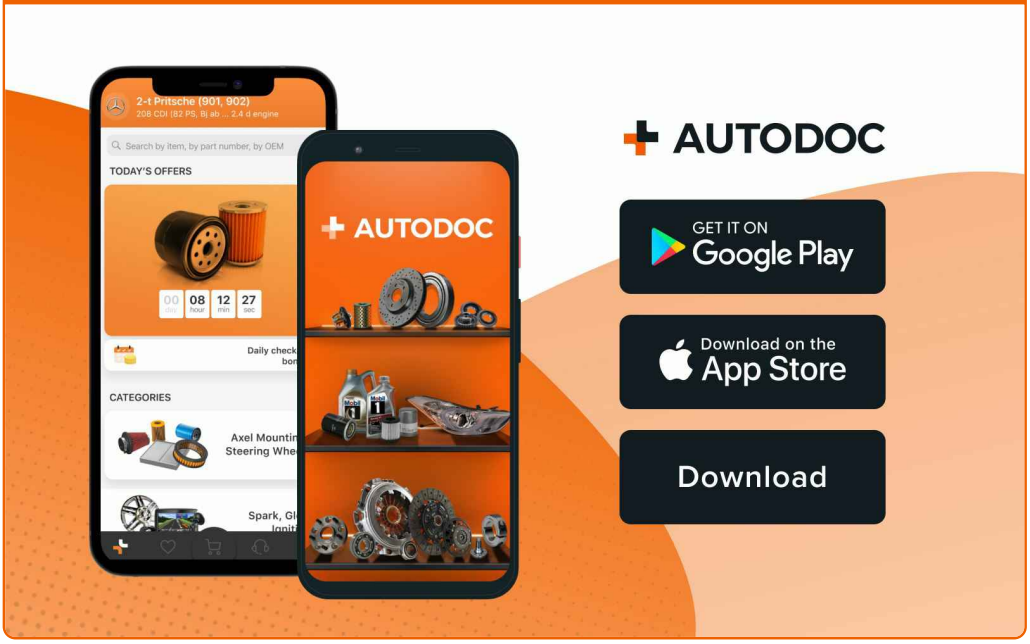

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR FORD

SHOCK ABSORBERS: A WIDE SELECTION

CHOOSE CAR PARTS FOR FORD FIESTA V JH JD

SHOCK ABSORBERS FOR FORD: BUY NOW

SHOCK ABSORBERS FOR FORD FIESTA V JH JD: THE BEST DEALS & OFFERS

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